

ADDRESS . . : 3334 BUFFALO LAKE RD
CONTRACTOR : JSJ BUILDERS, INC.
OWNER . . . : SUTTON CRYSTAL S & DANNY L JR
PARCEL . . . : 03-9587-01- -0159- -04-
APPL NUMBER: 17-50040768 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 02/20/2017 11:03 AM JBROCK ----
401 S TO 27 W L ONTO BUFFALO LAKE RD

SUBDIV: BUFFALO ESTATES
PHONE : (910) 438-0796
PHONE :

STRUCTURE: 000 000 54X53 4BDR SLAB W/ GARAGE & DECK

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4000000.00
SEPTIC - EXISTING? : NEW TANK

PROPOSED USE : SFD
WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	3/31/17 3/31/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002952745 3334 BUFFALO LAKE RD SANFORD 27332 T/S: 03/31/2017 10:06 AM SBENNETT -----
B101 01	4/13/17 4/13/17	TSG AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002958312 T/S: 04/12/2017 11:29 AM JBROCK ----- T/S: 04/13/2017 03:38 PM DJOHNSON -----
B103 01	4/24/17 4/24/17	TSG DA	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002963080 T/S: 04/21/2017 01:34 PM JBROCK ----- Found several areas in rear that do not have proper footing projection. Have engineer design a repair and verify other areas of foundation.
B103 02	5/12/17 5/12/17	TSG AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002971182 T/S: 05/11/2017 08:04 AM JBROCK -----
P309 01	5/19/17 5/19/17	JH AP	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002974764 T/S: 05/18/2017 11:50 AM JBROCK -----
B111 01	5/30/17 5/30/17	JLP DA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002977155 T/S: 05/26/2017 08:15 AM JBROCK ----- T/S: 05/30/2017 04:02 PM JPERRY ----- Need Compaction letter for over 24" of fill under slab
B111 02	6/07/17 <u>AP</u>	TI <u>J</u>	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002981132 T/S: 06/06/2017 10:18 AM JBROCK ----- jb has letter that goes with this inspection

COMMENTS AND NOTES



ECS Southeast, LLP

6151 Raeford Road
Suite A
Fayetteville, NC 28304
(910) 401-3288 [Phone]
(910) 323-0539 [Fax]

LETTER OF TRANSMITTAL

June 2, 2017

JSJ Builders
1135 Robinson Street
Fayetteville, NC 28305

ATTN: Mike Shean

RE: **Foundation Evaluation Buffalo Lake**

ECS Job # **33:3860-A**

Permits:

Location: **3338 Buffalo Lake Rd
Sanford, NC**


We are enclosing:

- Materials Engineering Division Reports
- For your use
- As requested

ENCL:

Field Report # 2 06/01/2017


Dennis D Lowery, P.E. 043840
Project Engineer


Denny Johnson
Assistant Team Leader



ECS Southeast, LLP

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 Suite A
 Fayetteville, NC 28304
 (910) 401-3288 [Phone]
 (910) 323-0539 [Fax]

FIELD REPORT

Project **Foundation Evaluation Buffalo Lake**
 Location **Sanford, NC**
 Client **JSJ Builders - Mike Shean**
 Contractor **JSJ Builders - Mike Shean**

Project No. **33:3860-A**
 Report No. **2**
 Day & Date **Thursday 06/01/2017**
 Weather **75°/ Sunny**
 On-Site Time **1.25**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **1.25**
 Re Obs.Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			12:45P	02:00P

* Travel time and mileage will be billed in accordance with the contract.

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for column foundations.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger. Please see the attached sketch and data sheet for details.

A total of 4 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. Soil encountered was orange clayey Sand, red clayey Sand, and brown clayey Sand. DCP blow counts ranged from 4-8+ blows per increment. It is to the opinion of ECS that the materials in place at test locations in the foundation did appear to be suitable to support the design bearing capacity 2000 psf.

Please see sketch for DCP evaluation locations.

ECS will return, as requested, to perform additional services.

Google Maps

Project # 3860-A
Lake
WO# 40878

Clint Hendrix

Foundation Evaluation Buffalo

June 1, 2017



Map data ©2017 Google 20 ft

⊕ - DCP test